

IN THE CLAIMS

Claims 1-38. (Cancelled)

39. (New) A reproducing apparatus for reproducing an information signal from an information carrier having a wobbled groove formed along a track, wherein the wobbled groove is modulated with an information signal in such a way that the wobbled groove contains positive marks and negative marks, and wherein one or more of the positive marks are used for indicating a logical "1" or "0" and one or more of the negative marks are used for indicating a logical "0" or "1", respectively, said reproducing apparatus comprising:

- an input terminal operable to receive a signal read from the information carrier;
- a detector operable to detect positive marks and negative marks from the signal;
- a generator operable to generate 1s and 0s according to positive mark signals and negative mark signals; and
- a converter operable to convert said 1s and 0s produced from said generator to an address signal.

40. (New) A reproducing apparatus according to claim 39, wherein a logical "1" is represented by positive marks and a logical "0" is represented by negative marks.

41. (New) A reproducing apparatus according to claim 40, wherein said detector comprises a high pass filter operable to detect a steeper inclination, and a comparator operable to compare a signal output from said high pass filter with a predetermined level.

42. (New) A reproducing apparatus according to claim 40, wherein said generator generates 1s and 0s according to a plurality of positive mark signals and a plurality of negative mark signals.

43. (New) A reproducing apparatus according to claim 42, wherein said detector comprises a high pass filter operable to detect a steeper inclination, and a comparator operable to compare a signal output from said high pass filter with a predetermined level.

44. (New) A reproducing apparatus according to claim 39, wherein said generator generates 1s and 0s according to a plurality of positive mark signals and a plurality of negative mark signals.

45. (New) A reproducing apparatus according to claim 44, wherein said detector comprises a high pass filter operable to detect a steeper inclination, and a comparator operable to compare a signal output from said high pass filter with a predetermined level.

46. (New) A reproducing apparatus according to claim 39, wherein said detector comprises a high pass filter operable to detect a steeper inclination, and a comparator operable to compare a signal output from said high pass filter with a predetermined level.